



Product Focus

A Splice of Simplicity



The Pretium EDGE[®] SE Solution for high-density data centre cabling infrastructures enables high density fusion splicing or direct termination within all Pretium EDGE Housings. The integral termination cassette for MM and SM fibres allows a wide range of fibre termination options without sacrificing the density, cable management or cable handling capabilities.

The cassette features include:

- LC duplex adapters with integrated dust caps, which provide protection for the internal connectors, and a translucent finish for ease of fibre identification.
- The cable entry in the rear of the cassette allows for multiple cable options - from loose tube cable designs to tight-buffered cables.
- The adapters, strain-relief and splice organisers are combined together within the cassette allowing superior fibre handling and safety of terminated fibres, giving greater flexibility and confidence with moves, adds and changes (MACs).

The **pre-loaded splice cassette** comes with 12 coloured LC pigtails, and includes the splice organiser, protectors with heat shrink or crimp option and cable ties. It is available in two different polarity options:

- Universal polarity scheme for Pretium EDGE[®] trunk termination.
- Telcordia polarity scheme for termination of multiple fibre optic cable types.

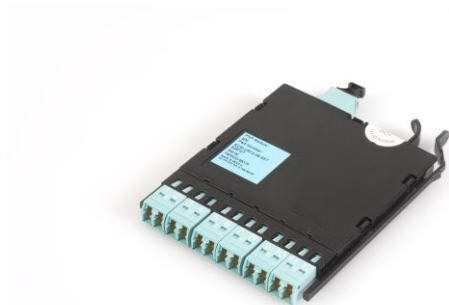
The **empty cassette version** gives the option of direct cable termination for UniCam[®] or Epoxy&Polish connector deployments.

[Click here for further information](#) on the Pretium EDGE[®] splice solution.

Product Updates

Data Centre Product and Content News :

Expanding Opportunities for New Pretium EDGE®



New Ultra Low Loss Module

We have expanded our Pretium EDGE Solutions for Data Centres and Storage Area Networks (SANs) with a new addition that will provide you with the opportunity to support longer links and address changing data centre needs including reduced optical budgets.

The **Pretium EDGE Universal ULL Module** for Multimode is a new module to provide Ultra Low Loss (ULL) connectivity for extended design flexibility to permit multiple potential connections within the system (e.g. 6-module link) while enabling greater head room

for low loss applications like 8G or 16G FibreChannel. With the 0.35 dB maximum loss for the ULL module providing the interface between the MTP® connector on the trunk and the LC Duplex jumpers Corning continue to provide innovative solutions to support the deployment of high speed, low loss networks.

The new part number is: ECM-UM12-05-93Q-ULL - for OM4 fibre

If you need fast access to the ULL module test data, simply click on the following link and input the serial number of your module to receive the full test report online:

www.corning.com/cablesystems/testreports

Please [click here](#) for further information.

Advanced Monitoring with Pretium EDGE® Tap Modules and Harnesses

Port monitoring to track the performance of your data centre or SAN networks traditionally involved passive port tapping using a separate optical splitter. This created an additional link segment that could increase the likelihood of network downtime and higher overall optical loss.

Corning's solution enables passive optical tapping that is fully integrated into the structured cabling footprint enabling reduced downtime and link loss while increasing rack space utilisation and density.

With the Pretium EDGE® Tap Modules monitored ports can be added without disrupting the system's live traffic, and the elimination of the tap as a separate device reduces insertion loss in the link.

For further information please [review our latest specification sheet](#).

LAN Product and Content News:

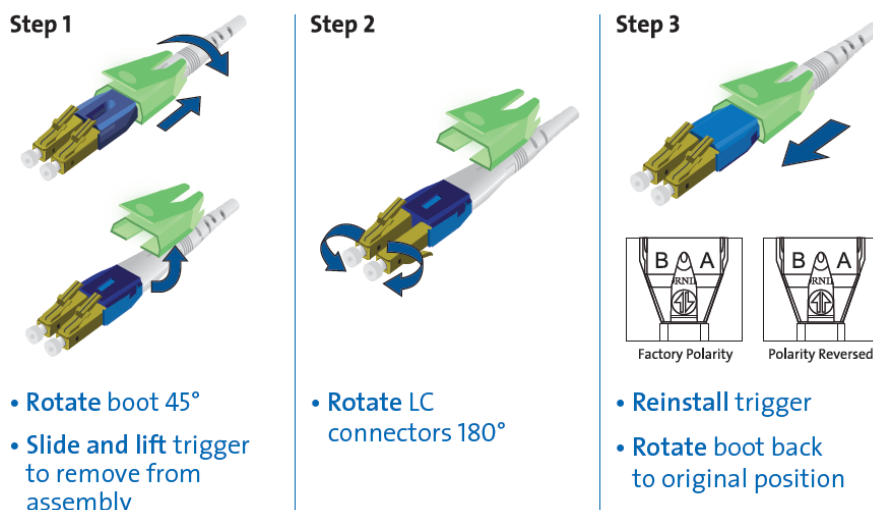
Fibre Optic Uniboot Patch Cords

Polarity Management and Colour Coding When and Where You Need it

Uniboot patch cords are integrated reverse-polarity duplex assemblies, which are designed to meet high-density space requirements of the MDA and EDA and **provide a 50 percent reduction in bulk cabling when compared to traditional duplex patch cords**. The highly flexible, 2 fibre interconnect cables reduce cable congestion, improve jumper management and routing and improve the air circulation. All of Corning's single-mode and multimode OM3 and OM4 fibre patch cords are bend-insensitive and provide a reduced risk of network downtime.

- Uniboot LC – LC and Hybrid LC – SC versions
- Hybrid LC-SC versions available for single-mode and multimode OM3 and OM4
- For use in data centre (Pretium EDGE®) applications and LAN environments
- Easy-read window on the body of the connector provides an indication of the polarity
- Colour coding with interchangeable triggers available for segmentation of different networks

Watch a short [video demonstration](#) on how to flip the polarity in three easy steps, as shown in the graphic below:



Matching LC Uniboot Triggers are available in 10 different colours:

Part Number	Description
TRIGGER-BP-U-N	LC Uniboot Trigger (pack of 100), blue
TRIGGER-BP-U-E	LC Uniboot Trigger (pack of 100), orange
TRIGGER-BP-U-G	LC Uniboot Trigger (pack of 100), green
TRIGGER-BP-U-K	LC Uniboot Trigger (pack of 100), beige
TRIGGER-BP-U-C	LC Uniboot Trigger (pack of 100), grey
TRIGGER-BP-U-R	LC Uniboot Trigger (pack of 100), red
TRIGGER-BP-U-B	LC Uniboot Trigger (pack of 100), black
TRIGGER-BP-U-Y	LC Uniboot Trigger (pack of 100), yellow
TRIGGER-BP-U-V	LC Uniboot Trigger (pack of 100), violet
TRIGGER-BP-U-A	LC Uniboot Trigger (pack of 100), aqua



Copper Cables for Outdoor Usage

Did you know that Corning provides 3 types of copper outdoor cables (premium, mid-range and basic) to suit different applications?

Premium

[FutureCom™ S/FTP 1200/22 Cat.7_{A+} A-XR with Diffusion Barrier](#)



Part Number: CCXSCB-L0047-C002-L7

The FutureCom™ S/FTP 1200/22 'Augmented Extended Reach' (propagation delay and attenuation optimised) outdoor cable with diffusion barrier is specified up to 1200 MHz and provides transmission performance meeting Category 7/7_A and 1200 MHz multimedia cable specifications according to EN 50288-9-1, IEC 61156-5 and IEC61156-7.

In combination with Corning FutureCom™ S500 copper jacks Corning guarantees 120m for 10Gbit and Power over Ethernet (PoE) – **33% more distance than with standard components**. This cable is especially suitable for linking remote connection points up to 120m like wireless LAN access points or

[IP-surveillance](#) cameras, as well as collapsed backbone network designs. Whenever designs exceed the maximum cable length of 90m, the A-XR/S500 combination provides up to 33% extra reach.

Features:

- Halogen-free (LSZH) inner jacket
- Halogen-free UV-resistant Polyethylene (PE) outer jacket
- Integrated diffusion barrier (aluminium tape)
- Suitable for direct buried applications
- Individual pairs are foil-shielded
- Twisted pairs (PiMF) surrounded by copper braid shield (S/FTP)
- Low delay skew between the pairs
- Supports Gigabit Ethernet and 10 Gigabit Ethernet according to IEEE 802.3an
- Outstanding electrical characteristics and high electromagnetic compatibility
- Satisfies Class B interference radiation standards according to EN 55022 as well as immunity according to EN 55024
- Reliable component of CE-compatible networks

Mid-range

[FutureCom™ S/FTP 800/23 Cat.7 with Diffusion Barrier](#)



Part Number: CCXSDB-F0047-C001-L7

The FutureCom™ S/FTP 800/23 outdoor cable with diffusion barrier is designed for applications up to 800 MHz and its transmission characteristics exceed Category 7 specifications according to EN 50288-4-1 and IEC 61156-5.

This cable is suitable for all kinds of 10Gigabit Ethernet applications, for instance [IP-surveillance](#) up to 90m.

Features:

- Halogen-free (LSZH) inner jacket
- Halogen-free UV-resistant Polyethylene (PE) outer jacket
- Integrated diffusion barrier (aluminium tape)
- Suitable for direct buried applications
- Individual pairs are foil-shielded
- Twisted pairs (PiMF) surrounded by copper braid shield (S/FTP)
- Low delay skew between the pairs
- Supports Gigabit Ethernet and 10 Gigabit Ethernet according to IEEE 802.3an
- Outstanding electrical characteristics and high electromagnetic compatibility
- Satisfies Class B interference radiation standards according to EN 55022 as well as immunity according to EN 55024
- Reliable component of CE-compatible networks

Basic

[FutureCom™/UTP 300/24 Cat.5\(e\) PE](#)



Part number: CCXDAE-C0047-C001-L7

The FutureCom™ F/UTP 300/24 PE cable is designed for outdoor applications up to 300 MHz and its transmission characteristics exceed Category 5 (2002) and Category 5e (TIA/EIA 568-A-5) specifications. Suitable for Gigabit Ethernet up to 90m.

Features:

- Light weight, single jacket construction
- Halogen-free UV-resistant Polyethylene (PE) outer jacket
- Suitable for direct buried applications
- Double foil shielding and additional copper wire

- Low delay skew between the pairs
- Supports Gigabit Ethernet
- Satisfies Class B interference radiation standards according to EN 55022 as well as immunity according to EN 55024
- Reliable component of CE-compatible networks

New - FutureCom™ 45x45mm, 1 Port Copper Keystone Outlet, French Style



Features:

- New Keystone outlet for customers using French design faceplates
- Dedicated to hold 1 FutureCom™ xs500 Cat.6_A Copper Jack
- Can be mounted in all 4 directions using the clips on each side

Part number: CAXCOE-V0114-C001

45x45mm, module housing, curved projecting, inclined, for mounting 1 FutureCom™ Keystone jack, white (similar RAL 9003)